

COURSE OUTLINE
Revision: A. Burman and S. Rafanelli, 2/2010

DEPARTMENT: Hospitality and Service Occupations
CURRICULUM: Landscape and Environmental Horticulture
COURSE TITLE: Landscape Design IV
COURSE NUMBER: LHO 264
TYPE OF COURSE: Vocational Preparatory
COURSE LENGTH: 1 quarter
CREDIT HOURS: 4
LECTURE HOURS: 33
LAB HOURS: 22
CLASS SIZE: 22
PREREQUISITES: LHO 121, LHO 125, LHO 262, or
Instructor permission

COURSE DESCRIPTION:

The instructional focus is twofold: to introduce, explore the use of and create detail drawings of built features in the residential landscape; and to produce saleable design vignettes based on several typical site conditions that will be included in the student's professional portfolio next quarter. Basic site grading including the location and use of step, stairs, ramps and retaining wall will be investigated. Written specification reflecting current CSI standard will be presented. Increasingly sophisticated plant combinations, spatial organization and functional arrangement will be produced.

STUDENT LEARNING OUTCOMES ADDRESSED:

1. Critical Thinking and Problem Solving –
 - Evaluate and propose multiple solutions based on design goals, site conditions and client expectations
 - Continue to explore and refine options supporting best sustainable practices in the residential landscape.
 - Reflect on appropriate selection and use of plant material to achieve specifically identified goals
 - Evaluate non-western cultural constraints to solve aesthetic and spatial issues.
2. Human Relations –
 - Practice building consensus through small group work.
 - Increase positive Interaction with clients and peers through role playing, peer review and self reflection.
 - Interact with groups and clients with increased professionalism
 - Expand and refine understanding and use of professional jargon to facilitate client, contractor and classroom interactions to better achieve common goals and understanding..
3. Computation –
 - Use appropriate computational methods to generate information to assist the design process. This might include: site grade interpolation, cut and fill calculations, quantities of building or plant materials or days and dollars project estimations.
4. Information Literacy-
 - Locate on-line computer data bases to assist with appropriate plant selection.
 - Develop personal spread sheets/ relational databases with specific plant for specific site constraints.
 - Investigate non-traditional sources of information to expand current understanding and practice of landscape design.
 - Improved research gathering and assimilation from electronic, print and other sources.
5. Personal Responsibility –
 - Expand on understanding of human / environmental interaction and its ramifications.
 - Continue to challenge personal goals to improve product and process.
 - Be aware of personal, social and environmental issues affecting the practice of residential landscape design.

GENERAL COURSE OBJECTIVES:

At the end of the course the student will:

1. Understand the range and complexity of construction detail drawings.
2. Have an awareness of the importance of details and construction drawings in the communication of ideas.
3. Explain the pros and cons of including construction documentation in a residential landscape design project packet.
4. Demonstrate the proper use of a transit to gather information in determining grade changes on a residential site.
5. Demonstrate knowledge of preparing and organizing construction specifications based on current CSI Format.
6. Select and organize plant into groups and vignettes based on specific horticultural, functional, aesthetic and design goals.
7. Have greater understanding of cultural and historic site requirements in support of a larger/ more complex landscape design project.
8. Explore low energy/low budget concepts by transformation of existing structures and materials on site. Repurpose/Reuse/Recycle.
9. Development of site specific water management strategies and landform manipulation.
10. Identify historic landscape design precedence and integrate those into present day residential design situations.
11. Demonstrate professional presentation and communication skill.

TOPICAL OUTLINE:

APPROX. HOURS

I. Orientation, review and class overview	2
II. Built structures in the landscape	3
III. Transit, site work	10
IV. Construction details and documentation	10
V. Plant grouping and vignettes	25
VI. Presentations	5
Total	55

REVISED BY: A. Burman and S. Rafanelli
DATE: February 23, 2010